



Christopher & Banks 810 Invoice

Version: 5010 X12

810

Invoice

Functional Group=IN

This X12 Transaction Set contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Notes:

Revision History –

4/3/09 – remove used of BIG07. Credit Memos will not be allowed to be sent via EDI

1/15/09 – Effective 2/23/09 the SAC loop at both the Item and the Summary level will no longer be supported.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
0100	ST	Transaction Set Header	M	1		
0200	BIG	Beginning Segment for Invoice	M	1		
0400	CUR	Currency	O	1		
0500	REF	Reference Information	M	1		
0500	REF	Reference Information	O	1		
LOOP ID - N1					2	
0700	N1	Party Identification	M	1		
0900	N3	Party Location	O	1		
1000	N4	Geographic Location	O	1		
LOOP ID - N1					2	
0700	N1	Party Identification	O	1		
0900	N3	Party Location	O	1		
1000	N4	Geographic Location	O	1		
1300	ITD	Terms of Sale/Deferred Terms of Sale	M	1		
1400	DTM	Date/Time Reference	M	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - IT1					200000	
0100	IT1	Baseline Item Data (Invoice)	M	1		
LOOP ID - PID					3	
0600	PID	Product/Item Description	M	1		
1000	PO4	Item Physical Details	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
0100	TDS	Total Monetary Value Summary	M	1		
0300	CAD	Carrier Details	O	1		
0700	CTT	Transaction Totals	M	1		N3/0700
0800	SE	Transaction Set Trailer	M	1		

Notes:

3/0700 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

<h1 style="margin: 0;">ST</h1>	<h1 style="margin: 0;">Transaction Set Header</h1>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Pos: 0100</td> <td style="width: 50%;">Max: 1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Heading - Mandatory</td> </tr> <tr> <td>Loop: N/A</td> <td>Elements: 2</td> </tr> </table>	Pos: 0100	Max: 1	Heading - Mandatory		Loop: N/A	Elements: 2
Pos: 0100	Max: 1							
Heading - Mandatory								
Loop: N/A	Elements: 2							

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
		<u>Code</u>	<u>Name</u>			
		810	Invoice			
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Invoice Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
BIG02	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
BIG03	373	Purchase Order Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
BIG04	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 is the consolidated invoice number associated with the invoice identified in BIG02. When BIG07 contains code CI (Consolidated Invoice), BIG02 will contain the consolidated invoice number and BIG10 is not used.

<h1 style="margin: 0;">CUR</h1> <h2 style="margin: 0;">Currency</h2>	Pos: 0400 Max: 1 Heading - Optional Loop: N/A Elements: 2
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To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>														
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use														
Description: Code identifying an organizational entity, a physical location, property or an individual																				
<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;"><u>Code</u></td> <td style="width: 15%;"><u>Name</u></td> <td colspan="5"></td> </tr> <tr> <td>BY</td> <td>Buying Party (Purchaser)</td> <td colspan="5"></td> </tr> </table>							<u>Code</u>	<u>Name</u>						BY	Buying Party (Purchaser)					
<u>Code</u>	<u>Name</u>																			
BY	Buying Party (Purchaser)																			
CUR02	100	Currency Code	M	ID	3/3	Must use														
Description: Code (Standard ISO) for country in whose currency the charges are specified																				

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

<h1>REF</h1>	<h2>Reference Information</h2>	Pos: 0500 Max: 1 Heading - Mandatory Loop: N/A Elements: 2
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To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
		<u>Code</u> <u>Name</u>				
		IA Internal Vendor Number				
REF02	127	Reference Identification	M	AN	5/5	Must use
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Comments:

1. When REF01=IA, then REF02 is the Vendor Number. This Vendor Number (REF02) should always be numeric and Min/Max of 5/5. Leading zeros do matter.

<h1>REF</h1>	<h2>Reference Information</h2>	Pos: 0500 Max: 1 Heading - Optional Loop: N/A Elements: 2
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To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
		<u>Code</u>	<u>Name</u>			
		BM	Bill of Lading Number			
REF02	127	Reference Identification	M	AN	1/50	Must use
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

N1 Party Identification

Pos: 0700	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
		<u>Code</u>		<u>Name</u>		
		ST		Ship To		
N102	93	Name	O	AN	1/60	Used
Description: Free-form name						
N103	66	Identification Code Qualifier	M	ID	1/2	Must use
Description: Code designating the system/method of code structure used for Identification Code (67)						
		<u>Code</u>		<u>Name</u>		
		92		Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	M	AN	2/80	Must use
Description: Code identifying a party or other code						

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

User Note 1:

*Ship To N1 loop is mandatory, all others are optional
N103 and N104 are mandatory for Ship To*

N3

Party Location

Pos: 0900	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 1000	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	M	AN	2/30	Must use
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	M	ID	2/2	Must use
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M	ID	3/15	Must use
N404	26	Country Code Description: Code identifying the country	M	ID	2/3	Must use

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N1 Party Identification

Pos: 0700	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		<u>Code</u>		<u>Name</u>		
		BT		Bill-to-Party		
N102	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u>		<u>Name</u>		
		92		Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3

Party Location

Pos: 0900	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 1000	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	M	AN	2/30	Must use
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	M	ID	2/2	Must use
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M	ID	3/15	Must use
N404	26	Country Code Description: Code identifying the country	M	ID	2/3	Must use

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

To specify terms of sale

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD01	336	Terms Type Code	O	ID	2/2	Used
		Description: Code identifying type of payment terms				
		<u>Code</u>		<u>Name</u>		
		01		Basic		
		02		End of Month (EOM)		
		05		Discount Not Applicable		
		08		Basic Discount Offered		
		14		Previously agreed upon		
		41		Letter of Credit		
		45		Bank Transfer		
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
		Description: Code identifying the beginning of the terms period				
		<u>Code</u>		<u>Name</u>		
		2		Delivery Date		
		3		Invoice Date		
		6		Anticipated Delivery Date		
		15		Receipt of Goods		
ITD03	338	Terms Discount Percent	O	R	1/6	Used
		Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date				
ITD04	370	Terms Discount Due Date	X	DT	8/8	Used
		Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year				
ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
		Description: Number of days in the terms discount period by which payment is due if terms discount is earned				
ITD06	446	Terms Net Due Date	O	DT	8/8	Used
		Description: Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year				
ITD07	386	Terms Net Days	O	N0	1/3	Used
		Description: Number of days until total invoice amount is due (discount not applicable)				
ITD08	362	Terms Discount Amount	O	N2	1/10	Used
		Description: Total amount of terms discount				
ITD12	352	Description	M	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

<h1>DTM</h1>	<h1>Date/Time Reference</h1>	Pos: 1400 Max: 1 Heading - Mandatory Loop: N/A Elements: 2
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To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
		<u>Code</u>		<u>Name</u>		
		011		Shipped		
DTM02	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

IT1

Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 12

To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
IT101	350	Assigned Identification	M	AN	1/20	Must use						
Description: Alphanumeric characters assigned for differentiation within a transaction set User Note 1: <i>Must match corresponding line number from PO101 from 850.</i>												
IT102	358	Quantity Invoiced	M	R	1/15	Must use						
Description: Number of units invoiced (supplier units)												
IT103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use						
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>AS</td> <td>Assortment</td> </tr> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	AS	Assortment	EA	Each
<u>Code</u>	<u>Name</u>											
AS	Assortment											
EA	Each											
IT104	212	Unit Price	M	R	1/17	Must use						
Description: Price per unit of product, service, commodity, etc. User Note 1: <i>Unit Price should match what was sent on the PO.</i>												
IT106	235	Product/Service ID Qualifier	M	ID	2/2	Used						
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>SK</td> <td>Stock Keeping Unit (SKU)</td> </tr> </tbody> </table> User Note 1: <i>Long SKU</i>							<u>Code</u>	<u>Name</u>	SK	Stock Keeping Unit (SKU)		
<u>Code</u>	<u>Name</u>											
SK	Stock Keeping Unit (SKU)											
IT107	234	Product/Service ID	M	AN	1/48	Used						
Description: Identifying number for a product or service												
IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used						
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>UP</td> <td>UCC - 12</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	UP	UCC - 12		
<u>Code</u>	<u>Name</u>											
UP	UCC - 12											
IT109	234	Product/Service ID	X	AN	1/48	Used						
Description: Identifying number for a product or service												
IT110	235	Product/Service ID Qualifier	X	ID	2/2	Used						
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>VN</td> <td>Vendor's (Seller's) Item Number</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	VN	Vendor's (Seller's) Item Number		
<u>Code</u>	<u>Name</u>											
VN	Vendor's (Seller's) Item Number											
IT111	234	Product/Service ID	X	AN	1/48	Used						
Description: Identifying number for a product or service												
IT112	235	Product/Service ID Qualifier	X	ID	2/2	Used						

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

<u>Code</u>	<u>Name</u>
CB	Buyer's Catalog Number

User Note 1: <i>Short SKU</i>

IT113	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

Semantics:

1. IT101 is the line item identification.

Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

PID

Product/Item Description

Pos: 0600	Max: 1
Detail - Mandatory	
Loop: PID	Elements: 3

To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use
Description: Code indicating the format of a description						
		<u>Code</u>	<u>Name</u>			
		F	Free-form			
PID02	750	Product/Process Characteristic Code	M	ID	2/3	Must use
Description: Code identifying the general class of a product or process characteristic						
		<u>Code</u>	<u>Name</u>			
		08	Product			
		74	Vendor size description			
		75	Buyer's Color Description			
PID05	352	Description	M	AN	1/80	Must use
Description: A free-form description to clarify the related data elements and their content						

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

User Note 1:

Qualifier 08 is mandatory, all others are optional.

For pre-pack items, the pre-pack code must be sent at the end of the Product Description with one blank space between the description and the pre-pack code.

PO4 Item Physical Details

Pos: 1000	Max: 1
Detail - Optional	
Loop: IT1	Elements: 1

To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack	O	N0	1/6	Used

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

TDS	Total Monetary Value Summary	Pos: 0100 Summary - Mandatory Loop: N/A	Max: 1 Elements: 4
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To specify the total invoice discounts and amounts

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount Description: Monetary amount	M	N2	1/15	Must use
TDS02	610	Amount Description: Monetary amount	M	N2	1/15	Must use
TDS03	610	Amount Description: Monetary amount	O	N2	1/15	Used
TDS04	610	Amount Description: Monetary amount	O	N2	1/15	Used

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

<h1 style="margin: 0;">CAD</h1> <h2 style="margin: 0;">Carrier Details</h2>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Pos: 0300</td> <td style="padding: 2px;">Max: 1</td> </tr> <tr> <td colspan="2" style="padding: 2px; text-align: center;">Summary - Optional</td> </tr> <tr> <td style="padding: 2px;">Loop: N/A</td> <td style="padding: 2px;">Elements: 5</td> </tr> </table>	Pos: 0300	Max: 1	Summary - Optional		Loop: N/A	Elements: 5
Pos: 0300	Max: 1						
Summary - Optional							
Loop: N/A	Elements: 5						

To specify transportation details for the transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																				
CAD01	91	Transportation Method/Type Code	M	ID	1/2	Must use																				
<p>Description: Code specifying the method or type of transportation for the shipment User Note 1: <i>Must use one of the following</i></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Name</u></th> </tr> </thead> <tbody> <tr><td>A</td><td>Air</td></tr> <tr><td>H</td><td>Customer Pickup</td></tr> <tr><td>K</td><td>Backhaul</td></tr> <tr><td>M</td><td>Motor (Common Carrier)</td></tr> <tr><td>R</td><td>Rail</td></tr> <tr><td>S</td><td>Ocean</td></tr> <tr><td>U</td><td>Private Parcel Service</td></tr> <tr><td>CC</td><td>Commingled Ocean</td></tr> <tr><td>MP</td><td>Motor (Package Carrier)</td></tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	A	Air	H	Customer Pickup	K	Backhaul	M	Motor (Common Carrier)	R	Rail	S	Ocean	U	Private Parcel Service	CC	Commingled Ocean	MP	Motor (Package Carrier)
<u>Code</u>	<u>Name</u>																									
A	Air																									
H	Customer Pickup																									
K	Backhaul																									
M	Motor (Common Carrier)																									
R	Rail																									
S	Ocean																									
U	Private Parcel Service																									
CC	Commingled Ocean																									
MP	Motor (Package Carrier)																									
CAD03	207	Equipment Number	O	AN	1/15	Used																				
<p>Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)</p>																										
CAD05	387	Routing	M	AN	1/35	Must use																				
<p>Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity</p>																										
CAD07	128	Reference Identification Qualifier	X	ID	2/3	Used																				
<p>Description: Code qualifying the Reference Identification</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Name</u></th> </tr> </thead> <tbody> <tr><td>BM</td><td>Bill of Lading Number</td></tr> <tr><td>CN</td><td>Carrier's Reference Number (PRO/Invoice)</td></tr> <tr><td>P8</td><td>Pickup Reference Number</td></tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	BM	Bill of Lading Number	CN	Carrier's Reference Number (PRO/Invoice)	P8	Pickup Reference Number												
<u>Code</u>	<u>Name</u>																									
BM	Bill of Lading Number																									
CN	Carrier's Reference Number (PRO/Invoice)																									
P8	Pickup Reference Number																									
CAD08	127	Reference Identification	X	AN	1/50	Used																				
<p>Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User Note 1: <i>If Carrier Pro Number, CAD07 must be qualifier CN.</i></p> <p><i>If Parcel Carrier tracking number, CAD07 must be qualifier P8. If you have a master tracking number, use that otherwise, use the tracking number from one of the cartons.</i></p>																										

Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. P0708 - If either CAD07 or CAD08 is present, then the other is required.

CTT Transaction Totals

Pos: 0700	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 1

To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use
Description: Total number of line items in the transaction set						

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 0800	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Comments:

1. SE is the last segment of each transaction set.